

STN  
10531663

=> d his

(FILE 'HOME' ENTERED AT 11:45:59 ON 05 NOV 2009)

FILE 'CAPLUS' ENTERED AT 11:46:17 ON 05 NOV 2009  
L1 8548 S HIF  
L2 7853 S L1 AND HYPOXIA  
L3 124 S L2 AND FIH  
L4 10 S L3 AND CRYSTAL?  
L5 10 S L4 AND HYDROXYL?  
L6 9 S L5 AND STRUCTURE

=> d L6 1-9

L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2008:1106654 CAPLUS  
DN 149:527266  
TI Evidence That Two Enzyme-derived Histidine Ligands Are Sufficient for Iron Binding and Catalysis by Factor Inhibiting HIF (FIH)  
AU Hewitson, Kirsty S.; Holmes, Samantha L.; Ehrismann, Dominic; Hardy, Adam P.; Chowdhury, Rasheduzzaman; Schofield, Christopher J.; McDonough, Michael A.  
CS Chemistry Research Laboratory, The Department of Chemistry, University of Oxford, Oxford, OX1 3TA, UK  
SO Journal of Biological Chemistry (2008), 283(38), 25971-25978  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English  
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)  
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2008:14590 CAPLUS  
DN 148:162028  
TI Cell oxygen sensor: hypoxia-inducible factor asparaginyl hydroxylase  
AU Fu, Dai-Yan; Dai, Ai-Guo; Hu, Rui-Cheng  
CS Department of Respiratory Medicine, Hunan Institute of Gerontology, Hunan Province Geriatric Hospital, Changsha, 410001, Peop. Rep. China  
SO Zhongguo Shengwu Huaxue Yu Fenzi Shengwu Xuebao (2007), 23(11), 905-910  
CODEN: ZSHXF2; ISSN: 1007-7626  
PB Zhongguo Shengwu Huaxue Yu Fenzi Shengwu Xuebao Bianjibu  
DT Journal  
LA Chinese

L6 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2007:877462 CAPLUS  
DN 147:421490  
TI Asparaginyl Hydroxylation of the Notch Ankyrin Repeat Domain by Factor Inhibiting Hypoxia-inducible Factor  
AU Coleman, Mathew L.; McDonough, Michael A.; Hewitson, Kirsty S.; Coles, Charlotte; Mecinovic, Jasmin; Edelmann, Mariola; Cook, Kristina M.; Cockman, Matthew E.; Lancaster, David E.; Kessler, Benedikt M.; Oldham, Neil J.; Ratcliffe, Peter J.; Schofield, Christopher J.  
CS Henry Wellcome Building for Molecular Physiology, University of Oxford, Oxford, OX3 7BN, UK  
SO Journal of Biological Chemistry (2007), 282(33), 24027-24038  
CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English  
OSC.G 28 THERE ARE 28 CAPLUS RECORDS THAT CITE THIS RECORD (28 CITINGS)  
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2007:91493 CAPLUS  
DN 146:268875  
TI Structural and Mechanistic Studies on the Inhibition of the  
Hypoxia-inducible Transcription Factor Hydroxylases by  
Tricarboxylic Acid Cycle Intermediates  
AU Hewitson, Kirsty S.; Lienard, Benoit M. R.; McDonough, Michael A.;  
Clifton, Ian J.; Butler, Danica; Soares, Alexie S.; Oldham, Neil J.;  
McNeill, Luke A.; Schofield, Christopher J.  
CS Department of Chemistry, University of Oxford, Oxford, OX1 3TA, UK  
SO Journal of Biological Chemistry (2007), 282(5), 3293-3301  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English  
OSC.G 26 THERE ARE 26 CAPLUS RECORDS THAT CITE THIS RECORD (26 CITINGS)  
RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2005:391304 CAPLUS  
DN 143:92914  
TI Selective Inhibition of Factor Inhibiting Hypoxia-Inducible  
Factor  
AU McDonough, Michael A.; McNeill, Luke A.; Tilliet, Melanie; Papamicael, Cyril A.; Chen, Qiu-Yun; Banerji, Biswadip; Hewitson, Kirsty S.; Schofield, Christopher J.  
CS Department of Chemistry and the Oxford Centre for Molecular Sciences, Chemistry Research Laboratory, University of Oxford, Oxford, OX1 3TA, UK  
SO Journal of the American Chemical Society (2005), 127(21), 7680-7681  
CODEN: JACSAT; ISSN: 0002-7863  
PB American Chemical Society  
DT Journal  
LA English  
OS CASREACT 143:92914  
OSC.G 25 THERE ARE 25 CAPLUS RECORDS THAT CITE THIS RECORD (26 CITINGS)  
RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2004:355105 CAPLUS  
DN 140:387803  
TI Crystal structure of human asparaginyl  
hydroxylase FIH-1, HIF interaction with  
FIH-1, and applications in drug screening and design  
IN Ratcliffe, Peter John; Pugh, Christopher William; Schofield, Christopher Joseph; Hewitson, Kirsty Sarah; Elkins, Jonathan Mark  
PA Isis Innovation Limited, UK  
SO PCT Int. Appl., 289 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
PI WO 2004035812	A2	20040429	WO 2003-GB4492	20031016

WO 2004035812	A3	20040819		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2502541	A1	20040429	CA 2003-2502541	20031016
AU 2003274330	A1	20040504	AU 2003-274330	20031016
AU 2003274330	B2	20090604		
EP 1554394	A2	20050720	EP 2003-758318	20031016
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006504415	T	20060209	JP 2004-544485	20031016
MX 2005004033	A	20050608	MX 2005-4033	20050415
US 20070048728	A1	20070301	US 2005-531662	20051021
PRAI GB 2002-24102	A	20021016		
GB 2002-26598	A	20021114		
WO 2003-GB4492	W	20031016		
WO 2003-GR4492	W	20031016		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 140:387803

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6	ANSWER 7 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
AN	2003:146174 CAPLUS
DN	138:381053
TI	Structure of Human FIH-1 Reveals a Unique Active Site Pocket and Interaction Sites for HIF-1 and von Hippel-Lindau
AU	Lee, Cheolju; Kim, Seung Jun; Jeong, Dae Gwin; Lee, Soon Mi; Ryu, Seong Eon
CS	Center for Cellular Switch Protein Structure, Korea Research Institute of Bioscience and Biotechnology, Daejeon, 305-806, S. Korea
SO	Journal of Biological Chemistry (2003), 278(9), 7558-7563 CODEN: JBCHA3; ISSN: 0021-9258
PB	American Society for Biochemistry and Molecular Biology
DT	Journal
LA	English
OSC.G	69 THERE ARE 69 CAPLUS RECORDS THAT CITE THIS RECORD (69 CITINGS)
RE.CNT	39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
	ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6	ANSWER 8 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
AN	2003:25857 CAPLUS
DN	139:2533
TI	Structure of Factor-inhibiting Hypoxia-inducible Factor (HIF) Reveals Mechanism of Oxidative Modification of HIF-1.alpha.
AU	Elkins, Jonathan M.; Hewitson, Kirsty S.; McNeill, Luke A.; Seibel, Juergen F.; Schlemminger, Imre; Pugh, Christopher W.; Ratcliffe, Peter J.; Schofield, Christopher J.
CS	University of Oxford, Oxford Centre for Molecular Sciences and the Dyson Perrins Laboratory, Oxford, OX1 3QY, UK
SO	Journal of Biological Chemistry (2003), 278(3), 1802-1806 CODEN: JBCHA3; ISSN: 0021-9258
PB	American Society for Biochemistry and Molecular Biology
DT	Journal

LA English  
OSC.G 146 THERE ARE 146 CAPLUS RECORDS THAT CITE THIS RECORD (149 CITINGS)  
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2003:3846 CAPLUS  
DN 138:283262  
TI Structure of factor-inhibiting hypoxia-inducible  
factor 1: an asparaginyl hydroxylase involved in the hypoxic  
response pathway  
AU Dann, Charles E., III; Bruick, Richard K.; Deisenhofer, Johann  
CS Howard Hughes Medical Institute and Department of Biochemistry, University  
of Texas Southwestern Medical Center, Dallas, TX, 75390, USA  
SO Proceedings of the National Academy of Sciences of the United States of  
America (2002), 99(24), 15351-15356  
CODEN: PNASA6; ISSN: 0027-8424  
PB National Academy of Sciences  
DT Journal  
LA English  
OSC.G 89 THERE ARE 89 CAPLUS RECORDS THAT CITE THIS RECORD (89 CITINGS)  
RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT